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(71) Applicant (for all designated States except US): UMI-
CORE AG & CO KG [DE/DE]; Rodenbacher Chaussee
4, 63457 Hanau-Wolfgang (DE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): OSCHMANN, Heiko
[DE/DE]; Wilhelm-Leuschner-Strasse 11, 61169 Friedberg
(DE).

(74) Agent: STARZ, Karl, A.; Umicore AG & Co KG, Patente,
Postfach 1351, 63403 Hanau-Wolfgang (DE).

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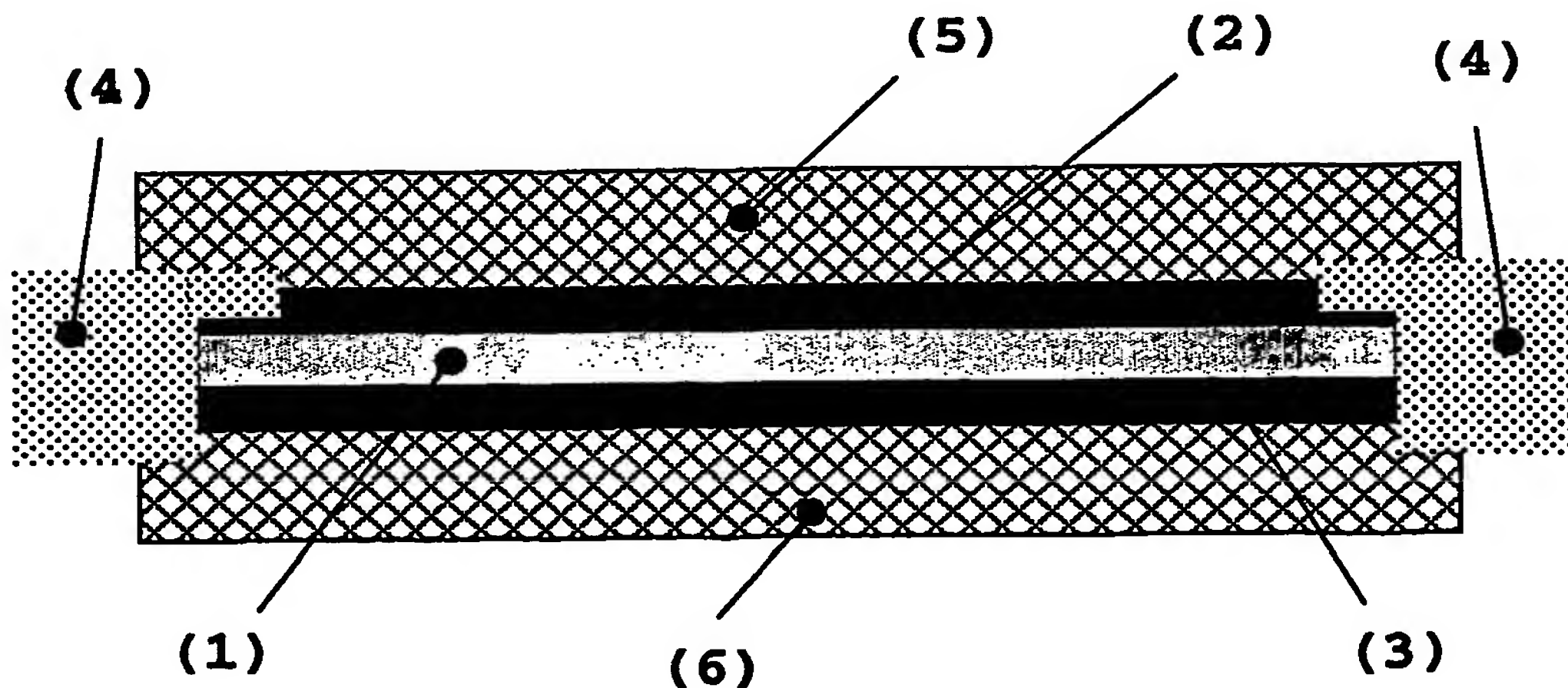
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(54) Title: CATALYST-COATED MEMBRANE WITH INTEGRATED SEALING MATERIAL AND MEMBRANE-ELEC-
TRODE ASSEMBLY PRODUCED THEREFROM



(57) Abstract: The invention relates to a catalyst-coated ion-conducting membrane and a membrane-electrode assembly (MEA) for electrochemical devices, in particular for fuel cells. The catalyst-coated, ion-conducting membrane is provided with a sealing material which is applied in the edge region to one side of the membrane and has a thickness which corresponds to at least the total thickness of the catalyst-coated membrane. Owing to their simple, material-conserving construction, the catalyst-coated ion-conducting membranes and the membrane-electrode assemblies produced therefrom can be manufactured inexpensively. They are used in PEM fuel cells, direct methanol fuel cells (DMFCs), electrolyzers and other electrochemical devices.



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